



## Updated Environmental Guidance Regulatory Bulletin

Office of Environmental Policy and Guidance • Air, Water and Radiation Division (EH-412)

October 2000

### Updated Air Quality Area Designations and Classifications for DOE Sites

On January 14, 1992, the Office of Environmental Policy and Assistance, now reorganized as the Office of Environmental Policy and Guidance, and henceforth referred to as OEPG, issued a memorandum with an attached list of air quality designations and classifications for localities in which there was a Department of Energy (DOE) site. In April 1999, OEPG issued an Environmental Guidance and Regulatory Bulletin to which was appended a newly revised listing, and posted an online interactive listing at the OEPG Website. This Regulatory Bulletin is a revision to the April 1999 Environmental Guidance and Regulatory Bulletin and reflects the current status of EPA regulations for National Ambient Air Quality Standards (NAAQS) for ozone and particulate matter.

Under the nonattainment provisions of the 1990 Clean Air Act (CAA) Amendments, every State is divided into "areas," with each area designated as "attainment," "nonattainment," or "unclassifiable." Nonattainment areas are localities that are not in compliance with the NAAQS for one or more of the six criteria pollutants (i.e., ozone, carbon monoxide, particulate matter, sulfur dioxide, nitrogen dioxide and lead). The 1990 Amendments also authorized the EPA to classify nonattainment areas for ozone, carbon monoxide, and particulate matter according to the severity of pollution levels in each area.

Sources in nonattainment areas are subject to a broad and complex array of clean air regulatory requirements, including additional emission restrictions on industrial sources, more stringent standards on emissions from motor vehicles, use of alternative clean fuels, and a variety of other control measures. Many of these requirements have been added through revised State Implementation Plans (SIPs), while others result directly from the statute and EPA regulations. In

addition to these requirements, Federal facilities in nonattainment areas are subject to other CAA rules only applicable to Federal agencies. They include the general conformity rule implementing Section 176 of the CAA, and Section 118(c) and (d) of the CAA dealing with Federal compliance with State vehicle inspection and maintenance (I/M) programs. Section 176(c) of the CAA requires that Federal agencies must make a determination that a proposed Federal action (which is interpreted very broadly) in a nonattainment or maintenance area conforms to the relevant SIP before the action is taken in order to ensure that the action would not aggravate an existing, deleterious air quality situation.

Appended to this bulletin is a list (current as of October, 2000) of air quality designations and classifications for DOE sites. EH staff will continue to track EPA "direct final" and "final" rules as well as any revisions to NAAQS that will pertain to area redesignations, and will regularly update an online listing. This online listing may be found on the OEPG web site at: <http://www.eh.doe.gov/oepa>, under the category "Policy and Guidance," and the subject area listing "Clean Air Act." It is recommended that this online listing be consulted.

The appended and online listings summarize the attainment designations and classifications of the localities of DOE sites. Although all six criteria pollutants are listed for completeness, it should be noted that no DOE sites are in a lead nonattainment area. These listings do not consider whether the listed DOE sites are actual sources of the criteria pollutants or pollutant precursors for which the area was designated as nonattainment. It should also be noted that nonattainment boundaries as defined by the EPA may be very specific with respect to local features (such as roads or distances from specific monitoring locations). Information on any errors or omissions should be forwarded to Lee Banicki or Ted Koss of EH-412 (see text box on next page).

The listings also delineate those sites that are in attainment areas that are subject to a maintenance plan. A maintenance plan is established when a State has submitted a revision of the applicable SIP to provide for the maintenance of the NAAQS for a criteria air pollutant in an area that the State had requested to be redesignated from nonattainment to attainment (the area having attained the NAAQS for the criteria air pollutant). An area redesignated to attainment is known as a maintenance area and remains so for at least 10 years. The provisions of the rule, "Determining Conformity of General Federal Actions to State or Federal Implementation Plans," that apply to nonattainment areas also apply to maintenance areas. Therefore, it is important that a DOE site undertaking a Federal action, even if the site is located in an attainment area, also check that this area is not classified as a maintenance area, potentially obligating the site to undertake a conformity review.

### Update on the status of EPA revised ozone and particulate standards

Following a lengthy scientific review process, on July 18, 1997 the EPA introduced a new NAAQS for ground-level ozone and for particulates ([62 FR 38855](#) and [62 FR 38651](#)). The EPA planned to phase out and replace the 1-hour 0.12 ppm ozone NAAQS with a new 8-hour 0.08 ppm standard that would be more protective of public health. On June 5, 1998 EPA published a final rule ([63 FR 31013](#)) identifying areas where the 1-hour NAAQS for ozone was no longer applicable. With this action, EPA identified 2,901 counties where the 1-hour standard was replaced by the new 8-hour 0.08 ppm ozone standard. In a related action on July 22, 1998 EPA published a final notice ([63 FR 39431](#)) to revoke the 1-hour standard for six additional areas. The EPA intended to publish, on an annual basis, actions identifying areas where the 1-hour standard is no longer applicable as the EPA moved towards full implementation of a new 8-hour ozone standard.

The EPA also planned to revise the NAAQS for particulate matter. The standard for particulate matter less than or equal to 10 microns in aerodynamic diameter ( $PM_{10}$ ) was essentially unchanged. Two new standards were added for particulate matter less than or equal to 2.5 microns in aerodynamic diameter ( $PM_{2.5}$ ). These were set at 15  $\mu\text{g}/\text{m}^3$  annual arithmetic mean  $PM_{2.5}$  concentrations, and 65  $\mu\text{g}/\text{m}^3$  24-hour  $PM_{2.5}$  concentrations. Because the new particulate standard would regulate  $PM_{2.5}$  for the first time, five years was allowed by EPA for the creation of a national

monitoring network and the analysis of collected data to help develop SIPs. The new  $PM_{2.5}$  standards were not yet to be implemented and the imposition of local area controls was not to be required until 2005.

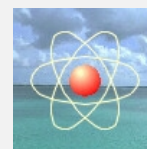
However, on May 14, 1999, in response to challenges filed by industry and others, a three-judge panel of the U.S. Court of Appeals for the District of Columbia Circuit issued a 2 to 1 split opinion on these new standards. The Court vacated the new particulate standard and directed the EPA to develop a new standard, meanwhile reverting back to maintaining the previous  $PM_{10}$  standards. The revised ozone standard was not nullified; however, the judges ruled that the standard "cannot be enforced." On October 19, 1999, the full U.S. Court of Appeals for the District of Columbia supported the lower court's decision with a split ruling. On July 20, 2000 the EPA published a final rule formally rescinding the 8-hour 0.08 ppm ozone standard and reinstating the 1-hour 0.12 ppm ozone standard in the approximately 3,000 counties where it had earlier been replaced ([65 FR 45182](#)).

The U.S. Supreme Court has agreed to the EPA's request to review the Court of Appeals ruling of May 14, 1999. The Supreme Court will hear this appeal in the fall (2000) and is expected to issue a decision in 2001. Therefore, it is uncertain at this time when new ozone and particulate matter enforceable standards will be in place. As of now, the 1-hour 12 ppm ozone, and 50  $\mu\text{g}/\text{m}^3$  annual and 150  $\mu\text{g}/\text{m}^3$  24-hour  $PM_{10}$  standards continue to prevail.

Questions of policy or questions requiring policy decisions will not be dealt with in EH-41 Regulatory Bulletins unless that policy has already been established through appropriate documentation. Please refer any questions concerning the subject material addressed in this Regulatory Bulletin to:

Lee Banicki, [leroy.banicki@eh.doe.gov](mailto:leroy.banicki@eh.doe.gov)  
(202) 586-5193  
or Ted Koss, [theodore.koss@eh.doe.gov](mailto:theodore.koss@eh.doe.gov)  
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## AIR QUALITY DESIGNATIONS & CLASSIFICATIONS FOR AREAS WITH DOE FACILITIES

This table was revised in October 2000. See [Endnotes](#) for a guide to the table and for additional information. Check the online listing at: <http://www.eh.doe.gov/oepa> under the category "Policy and Guidance," and the subject area "Clean Air Act" for updated information.

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Arizona</b>								
Monument Valley (UMTRA)	Monument Valley/ Apache	NA	A	A	A	A	A	A
Phoenix Operations and Maintenance Complex	Maricopa	NA	Ser *	Ser	Ser	A	A	A
Tuba City (UMTRA)	Tuba City/ Coconino	NA	A	A	A	A	A	A

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\* EPA has granted this area an exemption from one or more emission control programs for oxides of nitrogen (NO<sub>x</sub>), as provided for in Section 182(f) of the Clean Air Act. Section 182(f) allows States to request exemptions from certain NO<sub>x</sub> emission control programs (viz., New Source Review, reasonably available control technology [RACT], motor vehicle inspection and maintenance [I&M], General Conformity, and Transportation Conformity programs), if the States can demonstrate to EPA that reductions in NO<sub>x</sub> will not improve their ozone attainment status. However, these exemptions are subject to change. The status of an exemption for a particular area should be verified with EPA, State or local air quality regulatory authorities. A discussion of this issue and a list of DOE facilities that may be subject to these exemptions is found in a memorandum, dated September 27, 2000, "Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182(f) Exemptions" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>California</b>								
Atomics International	Canoga Park/ Los Angeles	Los Angeles-Anaheim-Riverside	Ext	Ser	Ser	A	A	A
Elverta Maintenance Facility	Elverta/ Sacramento	Sacramento	Sev-15	A - Maint	Mod	A	A	A
Elverta Substation	Elverta/ Sacramento	Sacramento	Sev-15	A - Maint	Mod	A	A	A
Energy Technology Engineering Center, Rocketdyne Division	Santa Susana/ Ventura	Los Angeles-Anaheim-Riverside	Sev-15	A	A	A	A	A
Farrallon Islands	Bodega Bay/ Sonoma	San Francisco-Oakland-San Jose	A	A - Maint	A	A	A	A
G E Vallecitos Nuclear Center	Pleasanton/ Alameda	NA	Other	A - Maint	A	A	A	A
General Atomics	San Diego/ San Diego	San Diego	Ser	A - Maint	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>California</b> (Cont.)								
Laboratory for Biomedical and Environmental Sciences	Los Angeles/ Los Angeles	Los Angeles-Anaheim-Riverside	Ext	Ser	Ser	A	A	A
Laboratory for Energy-Related Health Research	Davis/ Yolo	Sacramento	Sev-15	A - Maint	A	A	A	A
Laboratory for Radiobiology and Environmental Health	San Francisco/ San Francisco	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Lawrence Livermore (Site 300)	Tracy/ San Joaquin	Stockton	Ser	A - Maint	Ser	A	A	A
Lawrence Berkeley Laboratory	Berkeley/ Alameda	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Lawrence Livermore National Laboratory	Livermore/ Alameda	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Naval Petroleum Reserves #1 & #2	Bakersfield/ Kern	Bakersfield	Ser	A - Maint	Ser	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>California</b> (Cont.)								
Oxnard (UMTRA)	Oxnard/ Ventura	Los Angeles-Anaheim-Riverside	Sev-15	A	A	A	A	A
Sacramento Operations Office	Sacramento/ Sacramento	Sacramento	Sev-15	A - Maint	Mod	A	A	A
San Francisco Operations Office	Oakland/ Alameda	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Sandia National Laboratories	Livermore/ Alameda	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Santa Susana Field Laboratory	Santa Susana/ Ventura	Los Angeles-Anaheim-Riverside	Sev-15	A	A	A	A	A
Stanford Synchrotron Radiation Laboratory	Stanford/ San Mateo	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
Stanford Linear Accelerator Center	Palo Alto/ San Mateo	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A
University of California, Berkeley	Berkeley/ Alameda	San Francisco-Oakland-San Jose	Other	A - Maint	A	A	A	A

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STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>California</b> (Cont.)								
University of California, Davis	Davis/Yolo	Sacramento	Sev-15	A - Maint	A	A	A	A
<b>Colorado</b>								
Durango (UMTRA)	Durango/ La Plata	NA	A	A	A	A	A	A
Grand Junction (UMTRA)	Grand Junction/ Mesa	NA	A	A	A	A	A	A
Gunnison (UMTRA)	Gunnison/ Gunnison	NA	A	A	A	A	A	A
Maybell (UMTRA)	Maybell/ Moffat	NA	A	A	A	A	A	A
National Renewable Energy Laboratory	Golden/ Jefferson	Denver-Boulder	N * † (Section 185A)	Ser	Mod	A	A	A

\* EPA has granted this area an exemption from one or more emission control programs for oxides of nitrogen (NO<sub>x</sub>), as provided for in Section 182(f) of the Clean Air Act. Section 182(f) allows States to request exemptions from certain NO<sub>x</sub> emission control programs (viz., New Source Review, reasonably available control technology [RACT], motor vehicle inspection and maintenance [I&M], General Conformity, and Transportation Conformity programs), if the States can demonstrate to EPA that reductions in NO<sub>x</sub> will not improve their ozone attainment status. However, these exemptions are subject to change. The status of an exemption for a particular area should be verified with EPA, State or local air quality regulatory authorities. A discussion of this issue and a list of DOE facilities that may be subject to these exemptions is found in a memorandum, dated September 27, 2000, "[Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182\(f\) Exemptions](#)" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
Naturita (UMTRA)	Naturita/ Montrose	NA	A	A	A	A	A	A
Naval Oil Shale Reserves #1 & #3	Rifle/ Garfield	NA	A	A	A	A	A	A
Project Rio Blanco Site	Rifle/ Garfield	NA	A	A	A	A	A	A
Project Rullson Site	Grand Valley/ Mesa	NA	A	A	A	A	A	A
Rifle (UMTRA)	Rifle/ Garfield	NA	A	A	A	A	A	A
Rocky Flats Plant	Golden/ Jefferson	Denver-Boulder	N * † (Section 185A)	Ser	Mod	A	A	A
Slick Rock (UMTRA)	Slick Rock/ San Miguel	NA	A	A	A	A	A	A
Western Area Power Administration (HQ)	Golden/ Jefferson	Denver-Boulder	N * † (Section 185A)	Ser	Mod	A	A	A

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<b>District of Columbia</b>								
DOE Headquarters	Washington D.C./ Maryland/ Virginia	Washington D.C./ District of Columbia	Ser	A - Maint	A	A	A	A
<b>Florida</b>								
Pinellas Plant	Largo/ Pinellas	Tampa- St. Petersburg- Clearwater	A - Maint	A	A	A	A	A
<b>Georgia</b>								
Southeastern Power Administration	Elberton/ Elbert	NA	A	A	A	A	A	A
<b>Idaho</b>								
Argonne National Laboratory - West	Idaho Falls/ Bonneville	NA	A	A	A	A	A	A
Idaho Chemical Processing Plant	Idaho Falls/ Bonneville	NA	A	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Idaho (Cont.)</b>								
Idaho Falls Regional Office, Bonneville Power Administration	Idaho Falls/ Bonneville	NA	A	A	A	A	A	A
Idaho National Engineering and Environmental Laboratory	Idaho Falls/ Bonneville	NA	A	A	A	A	A	A
Idaho Operations Office	Idaho Falls/ Bonneville	NA	A	A	A	A	A	A
Lowman (UMTRA)	Lowman/ Boise	NA	A	A	A	A	A	A
<b>Illinois</b>								
Argonne National Laboratory - East	Lemont/ DuPage	Chicago-Gary-Lake County	Sev-17 *	A	A	A	A	A

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STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Illinois</b> (Cont.)								
Chicago Operations Office	Lemont/ DuPage	Chicago-Gary-Lake County	Sev-17 *	A	A	A	A	A
Fermi National Accelerator Laboratory	Batavia/ DuPage	Chicago-Gary-Lake County	Sev-17 *	A	A	A	A	A
New Brunswick Laboratory	Argonne/ DuPage	Chicago-Gary-Lake County	Sev-17 *	A	A	A	A	A
Site A/ Plot M, Palos Forest Preserve	Cook County	Chicago-Gary-Lake County	Sev-17 *	A - Maint	Mod	A	A	A
University of Chicago	Chicago/ Cook	Chicago-Gary-Lake County	Sev-17 *	A - Maint	Mod	A	A	A

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\* EPA has granted this area an exemption from one or more emission control programs for oxides of nitrogen (NO<sub>x</sub>), as provided for in Section 182(f) of the Clean Air Act. Section 182(f) allows States to request exemptions from certain NO<sub>x</sub> emission control programs (viz., New Source Review, reasonably available control technology [RACT], motor vehicle inspection and maintenance [I&M], General Conformity, and Transportation Conformity programs), if the States can demonstrate to EPA that reductions in NO<sub>x</sub> will not improve their ozone attainment status. However, these exemptions are subject to change. The status of an exemption for a particular area should be verified with EPA, State or local air quality regulatory authorities. A discussion of this issue and a list of DOE facilities that may be subject to these exemptions is found in a memorandum, dated September 27, 2000, "[Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182\(f\) Exemptions](#)" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

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<b>Iowa</b>								
Ames Laboratory	Ames/ Story	NA	A	A	A	A	A	A
<b>Kentucky</b>								
Maxey Flats	Hillsboro/ Fleming	NA	A	A	A	A	A	A
<b>Kentucky (Cont.)</b>								
Paducah Gaseous Diffusion Plant	Paducah/ McCracken	NA	A - Maint	A	A	A	A	A
<b>Louisiana</b>								
Bayou Choctaw (SPR)	Plaquemines/ Iberville Parish	NA	Ser *	A	A	A	A	A

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STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Louisiana (Cont.)</b>								
St. James Terminal (SPR)	St. James/ St. James Parish	NA	A - Maint	A	A	A	A	A
Strategic Petroleum Reserve Project Office (SPR)	New Orleans/ Orleans Parish	New Orleans	A - Maint	A	A	A	A	A
Sulphur Mines (SPR)	Sulphur/ Calcasieu	Lake Charles	A *	A	A	A	A	A
Weeks Island (SPR)	New Iberia/ Iberia Parish	NA	A	A	A	A	A	A
West Hackberry (SPR)	West Hackberry/ Cameron Parish	NA	A	A	A	A	A	A

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STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Maryland</b>								
HQ Germantown	Germantown/ Montgomery	Washington, D.C./ Maryland/ Virginia	Ser	A - Maint	A	A	A	A
<b>Massachusetts</b>								
Bates Linear Accelerator Facility	Middleton/ Essex	Boston	Ser	A	A	A	A	A
<b>Missouri</b>								
Kansas City Plant	Kansas City/ Jackson	Kansas City MO- KS	A - Maint	A	A	A	A	A
Springfield Maintenance and Engineering Office	Springfield/ Greeme	Springfield	A	A	A	A	A	A
<b>Montana</b>								
Western Environmental Technology Office	Butte/ Silver Bow	NA	A	A	Mod	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Nebraska</b>								
Hallam Nuclear Power Facility	Lincoln/ Lancaster	Lincoln	A	A	A	A	A	A
<b>Nevada</b>								
Central Nevada TA	Faultless/ Nye	NA	A	A	A	A	A	A
Nevada Operations Office	Las Vegas/ Clark	NA	A	Ser	Ser	A	A	A
Nevada Test Site	Mercury/ Nye	NA	A	A	A	A	A	A
Project Shoal Site	Fallon/ Churchill	NA	A	A	A	A	A	A
Tonopah Test Range	NA/ Nye	NA	A	A	A	A	A	A
Yucca Mountain	NA/ Nye	NA	A	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>New Jersey</b>								
Princeton Plasma Physics Laboratory	Princeton/ Mercer	Philadelphia-Wilmington-Trenton	Sev-15	A - Maint	A	A	A	A
<b>New Mexico</b>								
Albuquerque Operations Office	Albuquerque/ Bernalillo	Albuquerque	A	A - Maint	A	A	A	A
Ambrosia Lake (UMTRA)	Ambrosia Lake/ McKinley	NA	A	A	A	A	A	A
Inhalation Toxicology Research Institute	Albuquerque/ Bernalillo	Albuquerque	A	A - Maint	A	A	A	A
Los Alamos National Laboratory	Los Alamos/ Los Alamos	Santa Fe	A	A	A	A	A	A
Project Gasbuggy Site	Farmington/ San Juan	NA	A	A	A	A	A	A
Project Gnome Site	Carlsbad/ Eddy	NA	A	A	A	A	A	A



STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>New Mexico</b> (Cont.)								
Sandia National Laboratory	Albuquerque/ Bernalillo	Albuquerque	A	A - Maint	A	A	A	A
Shiprock (UMTRA)	Shiprock/ San Juan	NA	A	A	A	A	A	A
South Valley Site	Albuquerque/ Bernalillo	Albuquerque	A	A - Maint	A	A	A	A
Waste Isolation Pilot Plant	Carlsbad/ Eddy	NA	A	A	A	A	A	A
<b>New York</b>								
Brookhaven National Laboratory	Upton/ Suffolk	New York-Northern New Jersey-Long Island	Sev-17	A	A	A	A	A
Environmental Measurements Laboratory	New York/ New York	New York-Northern New Jersey-Long Island	Sev-17	Mod	Mod	A	A	A
Knolls Atomic Power Laboratory	Schenectady/ Schenectady	Albany-Schenectady-Troy	Mar <sup>†</sup>	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>New York (Cont.)</b>								
Schenectady Naval Reactors Office	Schenectady/ Schenectady	Albany- Schenectady-Troy	Mar <sup>†</sup>	A	A	A	A	A
Separations Process Research Unit	Niskayuna/ Schenectady	Albany- Schenectady-Troy	Mar <sup>†</sup>	A	A	A	A	A
West Valley Demonstration Project	West Valley/ Cattaraugus	NA	A	A	A	A	A	A
<b>North Dakota</b>								
Belfield (UMTRA)	Belfield/ Billings	NA	A	A	A	A	A	A
Bowman (UMTRA)	Bowman/ Bowman	NA	A	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Ohio</b>								
Battelle Columbus Laboratory	Columbus/ Franklin	Columbus	A * - Maint	A	A	A	A	A
Fernald Environmental Management Project	Fernald/ Hamilton	Cincinnati-Hamilton	A * - Maint	A	A	A	A	A
Fields Brook Site	Ashtabula/ Ashtabula	NA	A * - Maint	A	A	A	A	A
Mound Facility	Miamisburg/ Montgomery	Dayton-Springfield	A * - Maint	A	A	A	A	A
Piqua Nuclear Power Facility	Piqua/ Miami	Dayton-Springfield	A * - Maint	A	A	A	A	A
Portsmouth Gaseous Diffusion Plant	Piketon/ Pike	NA	A	A	A	A	A	A

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\* EPA has granted this area an exemption from one or more emission control programs for oxides of nitrogen (NO<sub>x</sub>), as provided for in Section 182(f) of the Clean Air Act. Section 182(f) allows States to request exemptions from certain NO<sub>x</sub> emission control programs (viz., New Source Review, reasonably available control technology [RACT], motor vehicle inspection and maintenance [I&M], General Conformity, and Transportation Conformity programs), if the States can demonstrate to EPA that reductions in NO<sub>x</sub> will not improve their ozone attainment status. However, these exemptions are subject to change. The status of an exemption for a particular area should be verified with EPA, State or local air quality regulatory authorities. A discussion of this issue and a list of DOE facilities that may be subject to these exemptions is found in a memorandum, dated September 27, 2000, "[Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182\(f\) Exemptions](#)" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Ohio</b> (Cont.)								
Reactive Metals Site	Ashtabula/ Ashtabula	NA	A * - Maint	A	A	A	A	A
<b>Oklahoma</b>								
Gore Maintenance Unit	Gore/ Sequoyah	Fort Smith	A	A	A	A	A	A
National Institute for Petroleum and Energy Research	Bartlesville/ Washington	NA	A	A	A	A	A	A
Southwestern Power Administration	Tulsa/ Tulsa	Tulsa	A	A	A	A	A	A
Tupelo Maintenance Unit	Tupelo/ Coal	NA	A	A	A	A	A	A

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STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Oregon</b>								
Bonneville Power Administration	Portland/ Multnomah	Portland-Vancouver	A - Maint	A - Maint	A	A	A	A
Eugene Regional Office, Bonneville Power Administration	Eugene/ Lane	Eugene-Springfield	A	A - Maint	Mod	A	A	A
Lakeview (UMTRA)	Lakeview/ Lake	NA	A	A	A	A	A	A
<b>Pennsylvania</b>								
Bettis Atomic Power Laboratory	West Mifflin/ Allegheny	Pittsburgh-Beaver Valley	A - Maint	A	A	A	A	A
Canonsburg (UMTRA)	Canonsburg/ Washington	Pittsburgh-Beaver Valley	A - Maint	A	A	A	A	A
Technology Laboratory	Pittsburgh/ Allegheny	Pittsburgh-Beaver Valley	A - Maint	NC	A	A	A	A
Pittsburgh Naval Reactors Office	West Mifflin/ Allegheny	Pittsburgh-Beaver Valley	A - Maint	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Pennsylvania</b> (Cont.)								
Shippingport Atomic Power Laboratory	Shippingport/ Beaver	Pittsburgh-Beaver Valley	A - Maint	A	A	A	A	A
<b>Puerto Rico</b>								
Center for Energy & Environmental Research	Mayaguez	NA	A	A	A	A	A	A
<b>South Carolina</b>								
Savannah River Operations Office	Aiken/ Aiken	Augusta	A	A	A	A	A	A
Savannah River Site	Aiken/ Aiken and Barnwell	Augusta	A	A	A	A	A	A
<b>South Dakota</b>								
Edgemont (UMTRA)	Edgemont/ Fall River	NA	A	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Tennessee</b>								
Elza Gate	Oak Ridge/ Anderson	Knoxville	A	A	A	A	A	A
East Tennessee Technology Park	Oak Ridge/ Roane	Knoxville	A	A	A	A	A	A
Oak Ridge National Laboratory	Oak Ridge/ Anderson & Roane	Knoxville	A	A	A	A	A	A
Oak Ridge Operations Office	Oak Ridge/ Anderson	Knoxville	A	A	A	A	A	A
University of Tennessee Space Institute	Tullahoma/ Coffee	NA	A	A	A	A	A	A
Y-12 Plant	Oak Ridge/ Anderson	Knoxville	A	A	A	A	A	A
<b>Texas</b>								
Big Hill (SPR)	Port Arthur/ Jefferson	Beaumont-Port Arthur	Mod	A	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Texas</b> (Cont.)								
Bryan Mound Site (SPR)	Freeport/ Brazoria	Houston-Galveston-Brazoria	Sev-17	A	A	A	A	A
Falls City (UMTRA)	Falls City/ Karnes	NA	A	A	A	A	A	A
Pantex Plant	Amarillo/ Carson	Amarillo	A	A	A	A	A	A
<b>Utah</b>								
Green River (UMTRA)	Green River/ Emery	NA	A	A	A	A	A	A
Mexican Hat (UMTRA)	Mexican Hat/ San Juan	NA	A	A	A	A	A	A
Monticello Uranium Mill Tailings Site	Monticello/ San Juan	NA	A	A	A	A	A	A



STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Utah</b> (Cont.)								
Radiobiology Laboratory	Salt Lake City/ Salt Lake	Salt Lake City-Ogden	A * - Maint	A	Mod	N	A	A
Salt Lake City (UMTRA)	Salt Lake City/ Salt Lake	Salt Lake City-Ogden	A * - Maint	A	Mod	N	A	A
<b>Virginia</b>								
Thomas Jefferson National Accelerator Facility	Newport News/ NA	Norfolk/ Virginia Beach/ Newport News	A - Maint	A	A	A	A	A
<b>Washington</b>								
Hanford Site	Richland/ Benton	Richland-Kennewick-Pasco	A	A	A	A	A	A

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\* EPA has granted this area an exemption from one or more emission control programs for oxides of nitrogen (NO<sub>x</sub>), as provided for in Section 182(f) of the Clean Air Act. Section 182(f) allows States to request exemptions from certain NO<sub>x</sub> emission control programs (viz., New Source Review, reasonably available control technology [RACT], motor vehicle inspection and maintenance [I&M], General Conformity, and Transportation Conformity programs), if the States can demonstrate to EPA that reductions in NO<sub>x</sub> will not improve their ozone attainment status. However, these exemptions are subject to change. The status of an exemption for a particular area should be verified with EPA, State or local air quality regulatory authorities. A discussion of this issue and a list of DOE facilities that may be subject to these exemptions is found in a memorandum, dated September 27, 2000, "[Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182\(f\) Exemptions](#)" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Washington (Cont.)</b>								
Olympia Regional Office, Bonneville Power Administration	Olympia/ Thurston	Olympia	A	A	Mod	A	A	A
Redmond Regional Office, Bonneville Power Administration	Redmond/ King	Seattle-Tacoma	A - Maint	A - Maint	A	A	A	A
Richland Operations Office	Richland/ Benton	Richland- Kennewick-Pasco	A	A	A	A	A	A
Snohomish Regional Office, Bonneville Power Administration	Snohomish/ Snohomish	Seattle-Tacoma	A	A - Maint	A	A	A	A
Spokane Regional Office, Bonneville Power Administration	Spokane/ Spokane	Spokane	A	Ser	Mod	A	A	A
Vancouver Regional Office, Bonneville Power Administration	Vancouver/ Clark	Portland- Vancouver	A - Maint	A - Maint	A	A	A	A

STATE/FACILITY	CITY/COUNTY	MSA/CMSA	O <sub>3</sub>	CO	PM <sub>10</sub>	SO <sub>2</sub>	NO <sub>2</sub>	Pb
<b>Washington (Cont.)</b>								
Walla Walla Regional Office, Bonneville Power Administration	Walla Walla/ Walla Walla	NA	A	A	Mod	A	A	A
Wenatchee Regional Office, Bonneville Power Administration	Wenatchee/ Chelan	NA	A	A	A	A	A	A
<b>West Virginia</b>								
Morgantown Energy Technology Center	Morgantown/ Monongalia	NA	A	A	A	A	A	A
<b>Wyoming</b>								
Naval Petroleum and Oil Shale Reserves	Casper/ Natrona	Casper	A	A	A	A	A	A
Riverton (UMTRA)	Riverton/ Fremont	NA	A	A	A	A	A	A
Spook (UMTRA)	Spook/ Converse	NA	A	A	A	A	A	A

## ENDNOTES

<sup>†</sup> The classification and designation of this area is dated 16 January, 2001. For further details about this revocation to ozone nonattainment see the memorandum, dated September 27, 2000, "[Information – Revised Ozone Air Quality Area Designations and Classifications for DOE Facilities, and Areas with Clean Air Act Section 182\(f\) Exemptions](#)" that is available on the Office of Environmental Policy and Guidance (EH-41) web site.

## Abbreviations

MSA/CMSA	Metropolitan Statistical Area/Consolidated Metropolitan Statistical Area: if a serious, severe, or extreme ozone nonattainment area is located within a MSA or a CMSA (as established by the Bureau of the Census), the boundaries of the classified area will be automatically expanded to include all counties within the entire MSA or CMSA.
NA	Not Applicable. Denotes that the facility is not in a MSA or CMSA.
SPR	Strategic Petroleum Reserve [facility]
UMTRA	Uranium Mill Tailings Remedial Action [site]

## Criteria pollutants

CO	Carbon monoxide
O <sub>3</sub>	Ozone
PM <sub>10</sub>	Particulate matter with an aerodynamic diameter equal to or less than 10 microns
NO <sub>2</sub>	Nitrogen dioxide
SO <sub>2</sub>	Sulfur dioxide
Pb	Lead

## Notes on ozone, carbon monoxide, and particulates

### Ozone (O<sub>3</sub>)

These classifications and attainment dates have been previously defined in Section 181(a)(1), Table 1 of the Clean Air Act, and 56 FR 56696:

Marginal	0.121 up to 0.138 ppm	November 15, 1993
Moderate	0.138 up to 0.160 ppm	November 15, 1996
Serious	0.160 up to 0.180 ppm	November 15, 1999
Severe 15	0.180 up to 0.190 ppm	November 15, 2005
Severe 17	0.190 up to 0.280 ppm	November 15, 2007
Extreme	more than 0.280 ppm	November 15, 2010

Where the interstate transport of ozone is believed to contribute to NAAQS violations in any one state, single ozone transport regions (OTRs) have been established (e.g., the Northeast OTR). OTRs are classified as moderate ozone nonattainment areas.

A Section 185A area (previously called a transitional area) was designated in the 1990 Clean Air Act Amendments as an ozone nonattainment area that did not violate ozone NAAQS for the three years 1987-1989.

### Carbon monoxide (CO)

For carbon monoxide nonattainment areas the following classifications and attainment dates have been defined in Section 186(a)(1), Table 3 of the Clean Air Act:

Moderate	9.1 up to 16.4 ppm	December 31, 1995
Serious	more than 16.5 ppm	December 31, 2000

### Particulates

All PM<sub>10</sub> nonattainment areas have been designated as moderate.

### Classification abbreviations

A	Attainment Area
Ext	Extreme Nonattainment Area
Maint	Air Quality Maintenance Area: an attainment area that is subject to a maintenance plan. A maintenance plan is established when a State submits a revision of the applicable State implementation plan (SIP) to provide for the maintenance of the NAAQS for a criteria air pollutant in an area that the State requested to be redesignated from nonattainment to attainment, the area having attained the NAAQS for the criteria air pollutant. The area concerned will be a maintenance area for at least 10 years.
Mar	Marginal Nonattainment Area
Mod	Moderate Nonattainment Area
N	Nonattainment Area - incomplete data; i.e., areas designated as nonattainment prior to the enactment of the 1990 Clean Air Act Amendments that do not have sufficient air quality monitoring data to determine whether they are or are not violating the National Ambient Air Quality Standards (NAAQS) (56 FR 56697)
NC	Not Classified/Nonattainment Area
Other	Term used only for the San Francisco Bay Area, CA, to denote an ozone classification. On July 10, 1998 EPA published a final rule ( <a href="#">63 FR 37258</a> ) redesignating the San Francisco Bay area to ozone nonattainment with the federal 1-hour ozone NAAQS. This redesignation was authorized under the general nonattainment provisions of subpart 1 of the Clean Air Act. The Bay Area, therefore, does not have a subpart 2 classification. When comparing to the traditional subpart 2 classification, the Bay Area's value is equivalent to that of a moderate area. In simple terms "Other" means "Moderate."
Sev	Severe Nonattainment Area (See below for definitions of ozone Sev-15 and Sev-17 classifications)
Ser	Serious Nonattainment Area

### EPA up-to-date information on criteria pollutants

Up-to-date information on ozone (and other criteria pollutant) attainment, nonattainment, and maintenance areas is made available on the Internet by the EPA at <http://www.epa.gov/oar/oaqps/greenbook/>.

**FUSRAP sites**

The FY 1998 Energy and Water Appropriations Bill, signed into law on October 13, 1997, transferred management of the Formerly Utilized Sites Remedial Action Program (FUSRAP) to the U.S. Army Corps of Engineers (USACE). The DOE and USACE are engaged in discussions in an effort to develop an Memorandum of Understanding which will define roles and responsibilities, consequently, FUSRAP sites are not included in this report.

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